

Exhibit A

>gb|AAB39007.1| **C** transmembrane protein Jagged 1 [Homo sapiens]
Length=1218

GENE ID: 182 JAG1 | jagged 1 (Alagille syndrome) [Homo sapiens]
(Over 10 PubMed links)

Score = 741 bits (1914), Expect = 0.0

Identities = 353/353 (100%), Positives = 353/353 (100%), Gaps = 0/353 (0%)

Query	1	MGSVIPDGAkWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGSGQSCIPILDDQC	60
		MGSVIPDGAkWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGSGQSCIPILDDQC	
Sbjct	866	MGSVIPDGAkWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGSGQSCIPILDDQC	925
Query	61	FVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANIITFTFNKEMMSGPLTTEHICSELRN	120
		FVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANIITFTFNKEMMSGPLTTEHICSELRN	
Sbjct	926	FVHPCTGVGECRSSSLQPVKTKCTSDSYQDNCANIITFTFNKEMMSGPLTTEHICSELRN	985
Query	121	LNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN	180
		LNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN	
Sbjct	986	LNILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN	1045
Query	181	SSLIAAIAAEVRVQRRPLKNRTDFLVLPLSSVLIVAWICCLVAFYWLCKRRKPKGSHHS	240
		SSLIAAIAAEVRVQRRPLKNRTDFLVLPLSSVLIVAWICCLVAFYWLCKRRKPKGSHHS	
Sbjct	1046	SSLIAAIAAEVRVQRRPLKNRTDFLVLPLSSVLIVAWICCLVAFYWLCKRRKPKGSHHS	1105
Query	241	ASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDMDKHQ	300
		ASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDMDKHQ	
Sbjct	1106	ASEDNTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDMDKHQ	1165
Query	301	QKARFAKQPAYTLVDREEEKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV	353
		QKARFAKQPAYTLVDREEEKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV	
Sbjct	1166	QKARFAKQPAYTLVDREEEKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV	1218